

- A. INSTALL CONCRETE FOUNDATION WITH A 20 FT. PEDESTAL POLE WITH BREAKAWAY BASE AND SIDE-FIRE DETECTOR .
(NOTE: ONE 2 IN. AND ONE 3 IN. PVC SCHEDULE 80 CONDUIT BENDS)
STA. 429+50 LT. 91' AND STA. 429+76 RT. 101'
- B. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED STUB OUT CONDUIT BEND AT THE BASE OF POWER POLE WITH A PULL STRING. (BGE POLE NO NUMBER)
- C. INSTALL HANDHOLE.
- D. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED
- E. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED
- F. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED
- G. INSTALL TYPE 332 CABINET WITH ELECTRICAL UTILITY SERVICE AND EQUIPMENT FOR UNDERGROUND SERVICE. (NOTE: INSTALL 1-2 IN. AND 2-4 IN PVC SCHEDULE 80 CONDUIT BENDS IN THE BASE OF CABINET)
STA. 429+70 RT 103'
- H. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - STUBOUT CONDUIT BEND AT THE BASE OF UTILITY POLE FOR TELEPHONE LINE COIL UP 25 FT. OF SLACK CABLE.
- J. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED
- K. INSTALL TELECOMMUNICATIONS SERVICE PEDESTAL

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

CODE NO.

CATEGORY

DESCRIPTION

UNITS	QUANTITY
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SHOULDER

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

CATEGORY
CODE NO.

DESCRIPTION

UNITS	QUANTITY
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US 29 N.B.R.

203030	TEST PIT EXCAVATION
800000	DETECTOR CABINET - TYPE 332 BASE MOUNTED
800000	5-PAIR COMMUNICATION CABLE (NO. 22 AWG)
800000	COMMUNICATION PEDESTAL
801004	CONCRETE FOR SIGNAL FOUNDATION
805115	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED
805125	2 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
805135	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
805140	4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
807400	ELEC. UTILITY SER. EQUIP. 120/240V 60 AMP
811001	FURNISH AND INSTALL HANDHOLE
818006	20 FOOT BREAKAWAY PEDESTAL POLE
832020	BARE COPPER GROUND WIRE, NO. 6 AWG
837001	GROUND ROD - 3 1/4 INCH DIAMETER X 10 FOOT LENGTH
861117	ELECTRICAL CABLE - 3 WIRE (NO. 4 AWG)
800000	SIDE FIRE DETECTOR

CY	3
EA	1
LF	100
EA	1
CY	4
LF	200
LF	80
LF	50
LF	20
EA	1
EA	4
EA	2
LF	300
EA	3
LF	55
EA	2

C. MATERIAL TO BE REMOVED BY THE CONTRACTOR

CATEGORY
CODE NO.

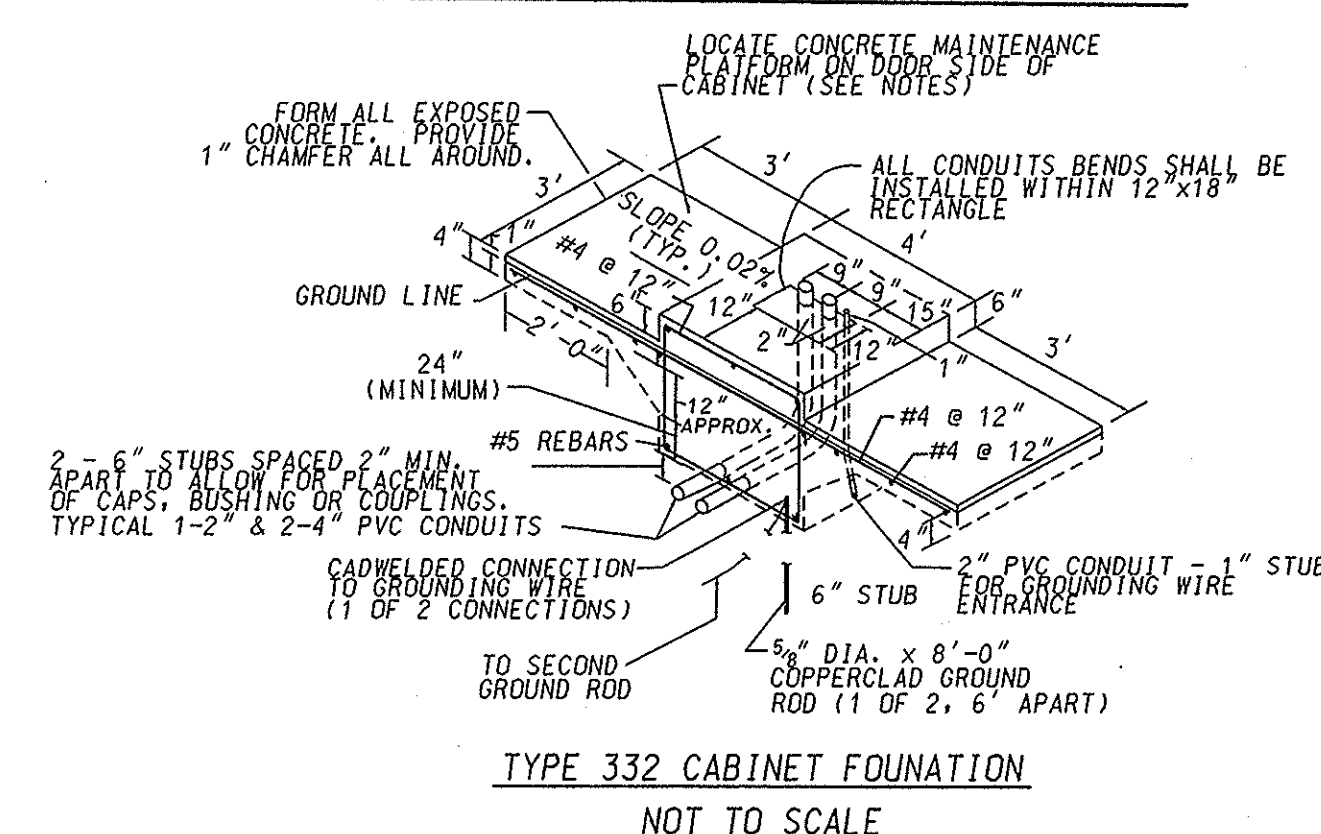
DESCRIPTION

UNITS	QUANTITY
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NONE

CONSTRUCTION NOTES

1. DETAILS OF CONSTRUCTION. MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.
2. INSTALL FOUR-INCH DIAMETER X 4 INCH MINIMUM LENGTH APPROVED CONCRETE MASONRY ANCHORS TO ANCHOR THE CABINET BASES. THE ANCHOR BOLTS SHALL BE STAINLESS STEEL AND LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.
3. WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS U.L. LISTED FOR ELECTRICAL USE SHALL BE USED.
4. CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 2-1/2" ± 1/2".
5. CONTROL CABINET BASE TOP SURFACES SHALL BE TROWEL FINISHED AND LEVEL.
6. MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.
7. ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER INSTALLATION, IF WIRE AND/OR CABLE IS NOT BEING INSTALLED CONDUIT SHALL REMAIN CAPPED OR PLUGGED.
8. CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6' MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.
9. ALL METALLIC CONDUIT ENDS AT TOP OF CONCRETE BASES SHALL HAVE BUSHINGS IF WIRE IS TO BE INSTALLED.
10. ALL NONMETALLIC CONDUIT ENDS AT TOP OF CONCRETE BASES SHALL HAVE END BELLS IF WIRE IS TO BE INSTALLED.
11. THE NUMBER AND SIZE OF CONDUIT BENDS IN CABINET BASE SHALL BE AS SHOWN IN THE CONTRACT DOCUMENTS OR AS DIRECTED BY THE ENGINEER.




GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
2. ALL EQUIPMENT SHALL BE INSTALLED TO FINAL GRADE.
3. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING SIGNAL EQUIPMENT; ANY CONFLICTS WITH THE UTILITIES THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.

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REVISIONS	APPROVALS
	<i>Michael Ruck</i> TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	<i>T. J. [Signature]</i> 2/21/03 ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	<i>[Signature]</i> 2.21.03 CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
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 MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
ITS PLAN
US 29
INTERCHANGE IMPROVEMENTS
SIDE-FIRE DETECTOR

DRAWN BY: S. SMITH	F.A.P. NO.	SEE TITLE SHEET	TS NO.	SHEET NO.
CHECKED BY:	S.H.A. NO.	MO8685170		
SCALE: 1" = 20'	COUNTY:	MONTGOMERY	T.I.M.S. NO.	
DATE: FEBRUARY, 2003	LOG. MILE:		F-357	444 OF 504